it, or the glass that concentrates it, and so adjusted as to produce these regular or intermittent flashes. There is a double adjustment in the system of lighthouses—the adjustment whereby the light is afforded, and the adjustment whereby there is a result according to rule presented to the mariner. Now, we maintain that nature is full of such adjustments. There is not only the adjustment of properties so as to produce causes, but the adjustment of causes acting independently of each other so as to produce uniform effects.

Another illustration may perhaps set this truth in a still clearer light. The person who observes that the hour-hand of a watch makes a complete revolution twice while the earth revolves in its orbit once, has obtained what is equivalent to a general law of nature ; when he observes that the minute-- hand makes twelve revolutions while the hour-hand makes one, he has got what is analogous to a second general law; and when he notices how the second-hand maked sixty revolutions whiLi the minute-hand makes one, he has arrived at a third general law. * As soon as he becomes acquainted with these three general facts, he has all the knowledge required to enable him to make a practical UHO of the watch. But whoever wishes to know the causes or manner of production must inspect the work within, when he will find that the regular movement of the hands upon the dial is the result of ingeniously contrived machinery. Now, the general laws of nature correspond to these orderly movements of the hands, and a knowledge of them is all that is needful to guide us in the business of life. If the husbandman knows the time of the rising and setting of that timepiece which God has placed in these heaveiis, he can arrange all his agricultural operations without knowing the cosmical arrangements from which the movements of the

seasons pro-
ceed, without having it settled whether the earth
goes round the
sun, or the sun goes round the earth. But if he
would become
a philosopher, and determine the causes of these
to him so bene-
iicent movements, lie must ascertain those
dispositions of sun
and planet by which they are produced.

We can conceive of a world in which there might
be the opera-
lion of causation, and yet few or no general
results. A cause in
the same circumstances produces the mine
effects; but in the
supposed world the same circumstances might
not recur, or not